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02-09-01

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/758,308

DATE: 01/29/2001  
TIME: 16:44:38

Input Set : A:\W083654.txt  
Output Set: N:\CRF3\01292001\I758308.raw

3 <110> APPLICANT: HOWARD A. FIELDS AND YURY E. KHUDYAKOV  
6 <120> TITLE OF INVENTION: ANTIGENIC EPITOPES AND MOSAIC POLYPEPTIDES OF HEPATITIS C VIRUS  
7 PROTEINS  
10 <130> FILE REFERENCE: 14114.0349U2  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/758,308  
C--> 14 <141> CURRENT FILING DATE: 2001-01-10  
17 <150> PRIOR APPLICATION NUMBER: 60/092,339  
18 <151> PRIOR FILING DATE: 1999-07-10  
21 <160> NUMBER OF SEQ ID NOS: 5  
24 <170> SOFTWARE: PatentIn version 3.0  
27 <210> SEQ ID NO: 1  
28 <211> LENGTH: 91  
29 <212> TYPE: PRT  
30 <213> ORGANISM: Hepatitis C Virus  
33 <400> SEQUENCE: 1  
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36 1 5 10 15  
38 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly  
39 20 25 30  
41 Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala  
42 35 40 45  
44 Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro  
45 50 55 60  
47 Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly  
48 65 70 75 80  
51 Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Met  
52 85 90  
54 <210> SEQ ID NO: 2  
55 <211> LENGTH: 102  
56 <212> TYPE: PRT  
57 <213> ORGANISM: Hepatitis C Virus  
59 <400> SEQUENCE: 2  
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64 Ile Pro Phe Tyr Gly Lys Ala Ile Pro Ile Glu Ala Ile Lys Gly Glu  
65 20 25 30  
68 Arg His Ile Ile Phe Cys His Ser Lys Lys Cys Asp Glu Leu Ala  
69 35 40 45  
71 Ala Lys Leu Thr Gly Leu Gly Leu Asn Ala Val Ala Tyr Tyr Arg Gly  
72 50 55 60  
74 Leu Asp Val Ser Val Ile Pro Thr Ser Gly Asp Val Val Val Ala Thr  
75 65 70 75 80  
77 Asp Ala Leu Met Thr Gly Phe Thr Gly Asp Phe Asp Ser Val Ile Asp  
78 85 90 95  
80 Cys Asn Thr Cys Val Thr  
81 100  
83 <210> SEQ ID NO: 3

ENTERED

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84 <211> LENGTH: 79  
85 <212> TYPE: PRT  
86 <213> ORGANISM: Hepatitis C Virus  
89 <400> SEQUENCE: 3  
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92 1 5 10 15  
94 Ile Pro Asp Arg Glu Val Leu Tyr Gln Glu Phe Asp Glu Met Glu Glu  
95 20 25 30  
97 Cys Ala Ser His Leu Pro Tyr Ile Glu Gln Gly Met Gln Leu Ala Glu  
98 35 40 45  
101 Gln Phe Lys Gln Lys Ala Leu Gly Leu Leu Gln Thr Ala Thr Lys Gln  
102 50 55 60  
103 Ala Glu Ala Ala Ala Pro Val Val Glu Ser Lys Trp Arg Ala Leu  
104 65 70 75  
107 <210> SEQ ID NO: 4  
108 <211> LENGTH: 33  
109 <212> TYPE: PRT  
110 <213> ORGANISM: Hepatitis C Virus  
112 <400> SEQUENCE: 4  
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115 1 5 10 15  
117 Thr His Tyr Val Pro Glu Ser Asp Ala Ala Ala Arg Val Thr Gln Ile  
118 20 25 30  
120 Leu  
123 <210> SEQ ID NO: 5  
124 <211> LENGTH: 102  
125 <212> TYPE: PRT  
126 <213> ORGANISM: Hepatitis C Virus  
128 <400> SEQUENCE: 5  
130 Lys Ala Thr Cys Thr Thr His His Asp Ser Pro Asp Ala Asp Leu Ile  
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133 Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn Ile Thr Arg  
134 20 25 30  
136 Val Glu Ser Glu Asn Lys Val Val Ile Leu Asp Ser Phe Asp Pro Ile  
137 35 40 45  
139 Arg Ala Val Glu Asp Glu Arg Glu Ile Ser Val Pro Ala Glu Ile Leu  
140 50 55 60  
142 Arg Lys Pro Arg Lys Phe Pro Pro Ala Leu Pro Ile Trp Ala Arg Pro  
143 65 70 75 80  
145 Asp Tyr Asn Pro Pro Leu Leu Glu Ser Trp Lys Asp Pro Asp Tyr Val  
146 85 90 95  
148 Pro Pro Val Val His Gly  
149 100

VERIFICATION SUMMARY  
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TIME: 16:44:39

Input Set : A:\W083654.txt  
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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date